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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

KARR et al.

Serial No.: 09/820,584

Filed: March 28, 2001

Atty. File No.: 1004-1

For: "LOCATING A MOBILE STATION
USING A PLURALITY OF
WIRELESS NETWORKS AND
APPLICATIONS THEREFOR

Attn: Drawing Review Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

) Group Art Unit: 3662

) Examiner: Dao L. Phan

) SUBMISSION OF FORMAL DRAWINGS

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Dear Sir:

In response to the Notice of Allowability mailed with the Notice of Allowance and Issue Fee Due on October 21, 2004 for the above-identified patent application, enclosed for filing with said application are 10 sheets of corrected formal drawings illustrating Figs. 1, 2, 4, 29, 36, 38, 39, 40, 42 and 43 of the application. Also attached are copies of the figures showing the changes made in red.

The present amendments clarify some of the labeling inconsistencies between the specification and the drawings. In particular, the specification identifies the term "L-API" with the label 14 as illustrated by the specification passages provided hereinbelow. However, in some of the figures having components identified by the term "L-API", a different numerical label is provided, i.e., 136, which also an application programming interface denoted "L-API-MS" (i.e., the location application programming interface to the MSCs, e.g., as shown in Fig. 36). Moreover, Figs. 1, and 43 show the "Appl. Prog. Interface" 14 as the communication interface to the MSCs 112a and 112b. Accordingly, the Figs. 38, 39, 40, and 42 have been amended so that the numerical label "136" for components also identified as "L-API" are now replaced with the dual labeling "14, 136".

Below are specification passages identifying the term “L-API” with the label 14 (any previous amendments from the originally filed specification are shown). Note, the bold type is for the Examiner’s convenience.

A **location application programming interface 14 (Fig. 1), or L-API**, is required between the location system’s ~~42~~-142 signal processor 20 and the mobile switch center 12 network element type, in order to send and receive various control, signals and data messages for wireless location purposes. (Commencing on page 58, lines 4-7)

In order to implement additional location functions such as wide area location, wherein location is determined across roaming boundaries, out-of-coverage area conditions or mobile station 140 turned off, and home base station applications, the **L-API 14** must include access to and receive data from a data store contained in the home location register (HLR) network element type associated with the mobile switch center 112. (Commencing on page 59, lines 17-21)

In order to implement additional location functions such as providing users with location information and routing instructions to certain locations via the wireless short message text paging service, an **L-API 14** is required between the location system 142 and the network element type used to implement the short message service. (Commencing on page 60, lines 25-28)

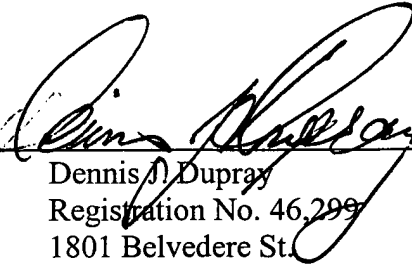
In order to provide the most economically efficient and accurate wireless location service capabilities among multiple CMRS providers in a shared coverage area, a common location **applications programming interface (L-API 14)** is highly desirable. (Commencing on page 62, line 31 to page 63, line 2)

In addition the controller 15 receives autonomous messages from the MSC , via the **location applications programming interface 14 (Fig. 1) or L-API** and the input queue 7, whenever a 9-1-1 wireless call is originated. (Commencing on page 82, lines 25-27)

Respectfully submitted,

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